



# FEMA



Prepared by  
*Jennifer McNatt*

# FEMA Region 6 Weather Threat Briefing

Monday, October 15, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today and Tuesday

- Record cold temperatures this morning over N & E NM; freezing drizzle and fog, snow and wintry mix is ongoing; significant travel impacts.
  - Light accumulations of snow and ice are possible over N-Central and E-Central NM as well as the OK and TX Panhandles through midday.
- Heavy rain / flash flooding possible from N-Central, Central through SW TX today through Tuesday.

## Wednesday - Friday

- No significant weather expected on Wednesday, although widespread rain chances continue.
- May see a return of heavy rain chances near the TX coast on Thursday, and then over much of Central and NE TX into the ArkLaTex by Friday.

## River Flood Status

- A few locations in OK remain in moderate flood stage.
- The Nueces River in STX is in Moderate flood stage. Near Asherton, water should continue to slowly recede in the coming days. Near Cotulla, the river is expected to rise into Major flood stage today and crest on Tuesday; evacuation of livestock and a few residential properties along the river will be required. Many roads are also flooded.
- Additional rainfall over the next several days could slow improvements along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout SE OK, TX and SW AR due to already saturated soils.

## Tropical Outlook

- Showers and thunderstorms associated with a broad area of low pressure located over the SW Caribbean Sea are showing some signs of organization. The system is moving W-NW, and it is possible that it could become a tropical depression before it moves inland over Central America by Tuesday.
  - Formation chance through 48 hours...medium...40%
  - Formation chance through 5 days...medium...40%

# FEMA Region 6 Threat Matrix

Oct 15, 2018 – Oct 19, 2018



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms					
Heavy Rain / Flash Flooding	N-Cntrl, Cntrl & SW TX	N-Cntrl through Cntrl TX		Coastal TX	Cntrl & NE TX, ArkLaTex, Coastal TX
	SW AR, SE OK, NW LA, Coastal TX				
Winter Weather	N-Central & NE NM				
	TX/OK Panhandles				
Tropical Weather					
River Flooding	STX	STX	STX	STX	STX
	OK				

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

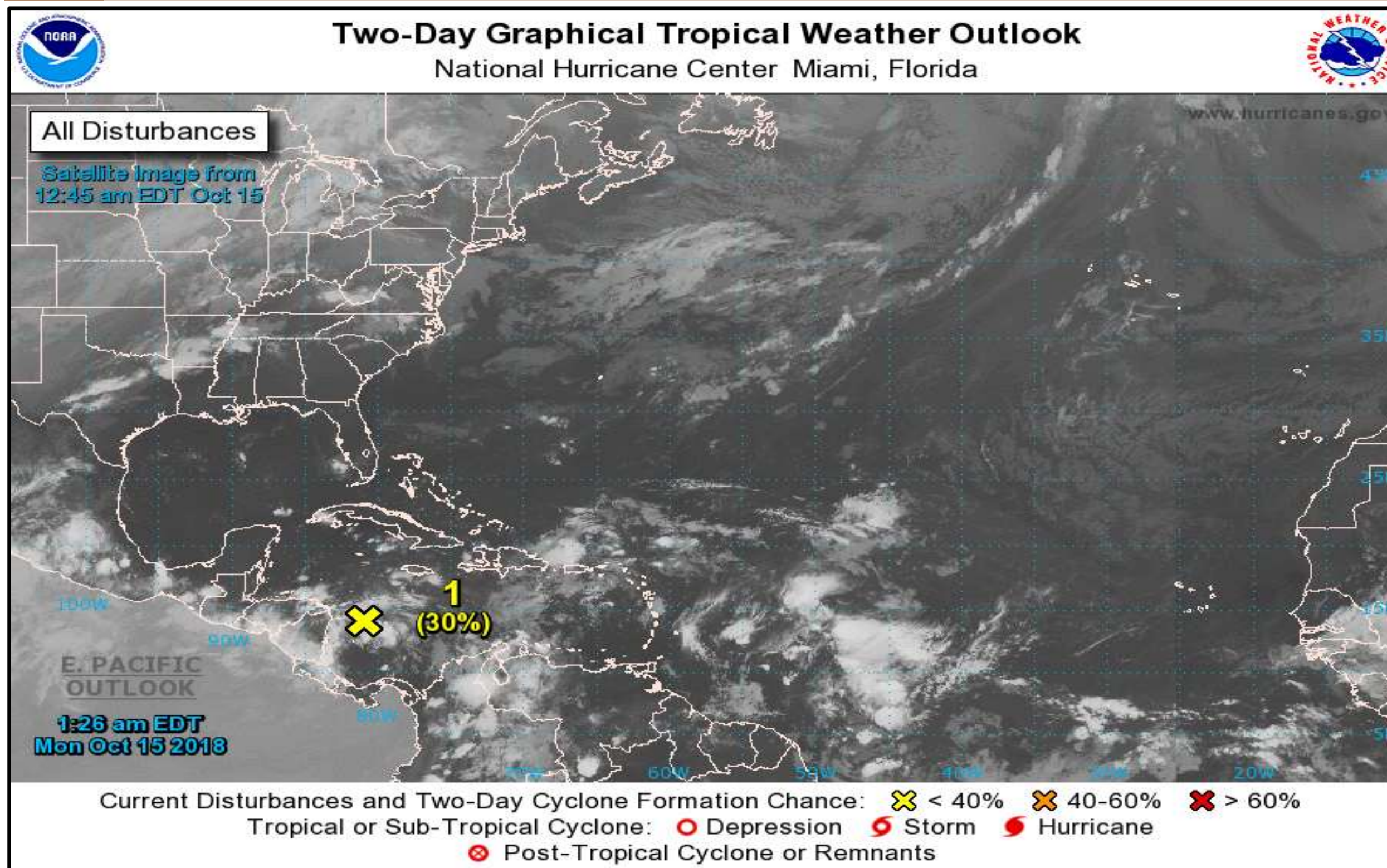
*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



# Tropical Weather Outlook – Atlantic/Gulf



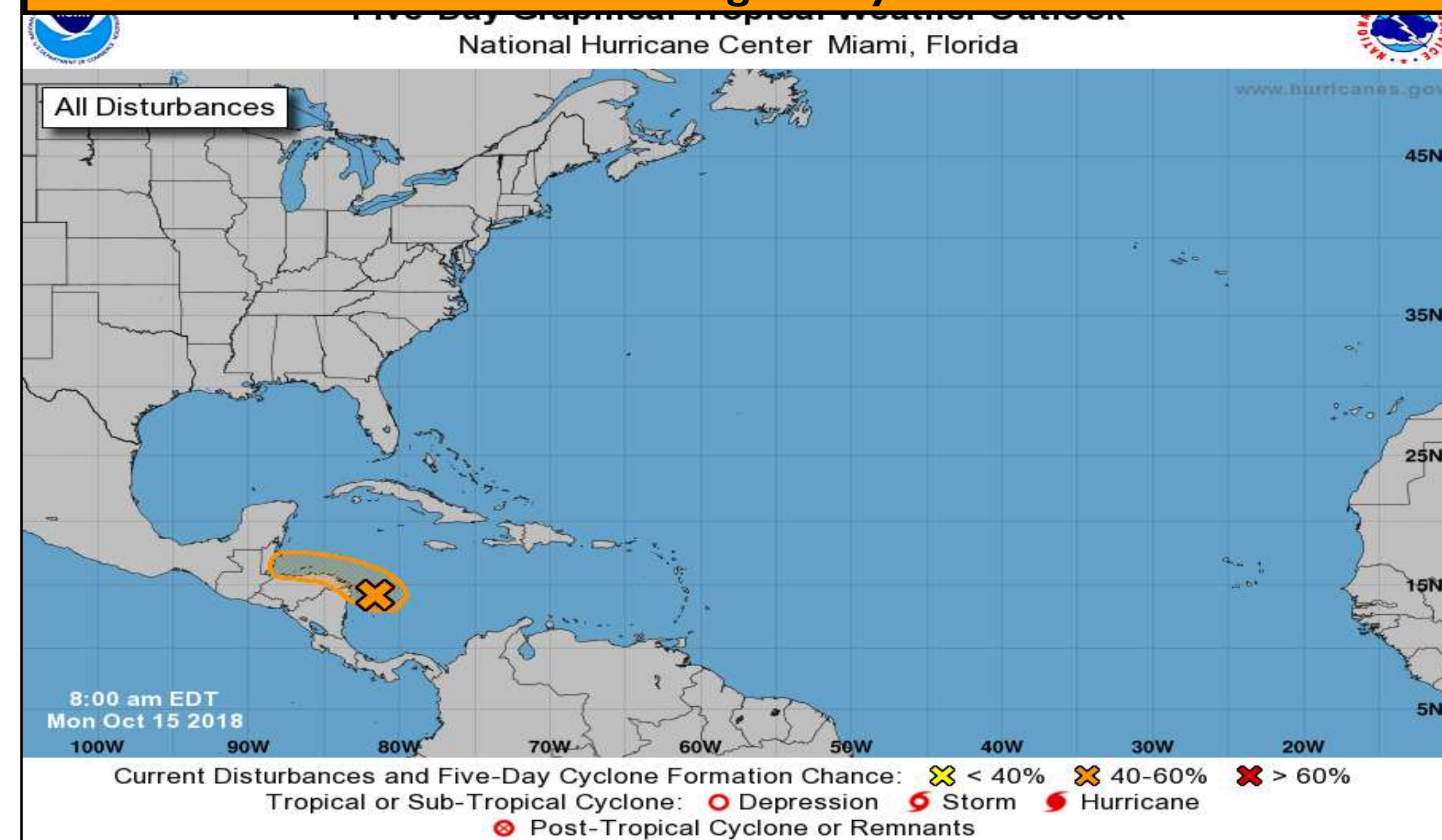
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**Showers and thunderstorms associated with a broad area of low pressure located over the SW Caribbean Sea are showing some signs of organization. The system is moving W-NW, and it is possible that it could become a tropical depression before it moves inland over Central America by Tuesday.**

**Formation chance through 48 hours...medium...40%**

**Formation chance through 5 days...medium...40%**



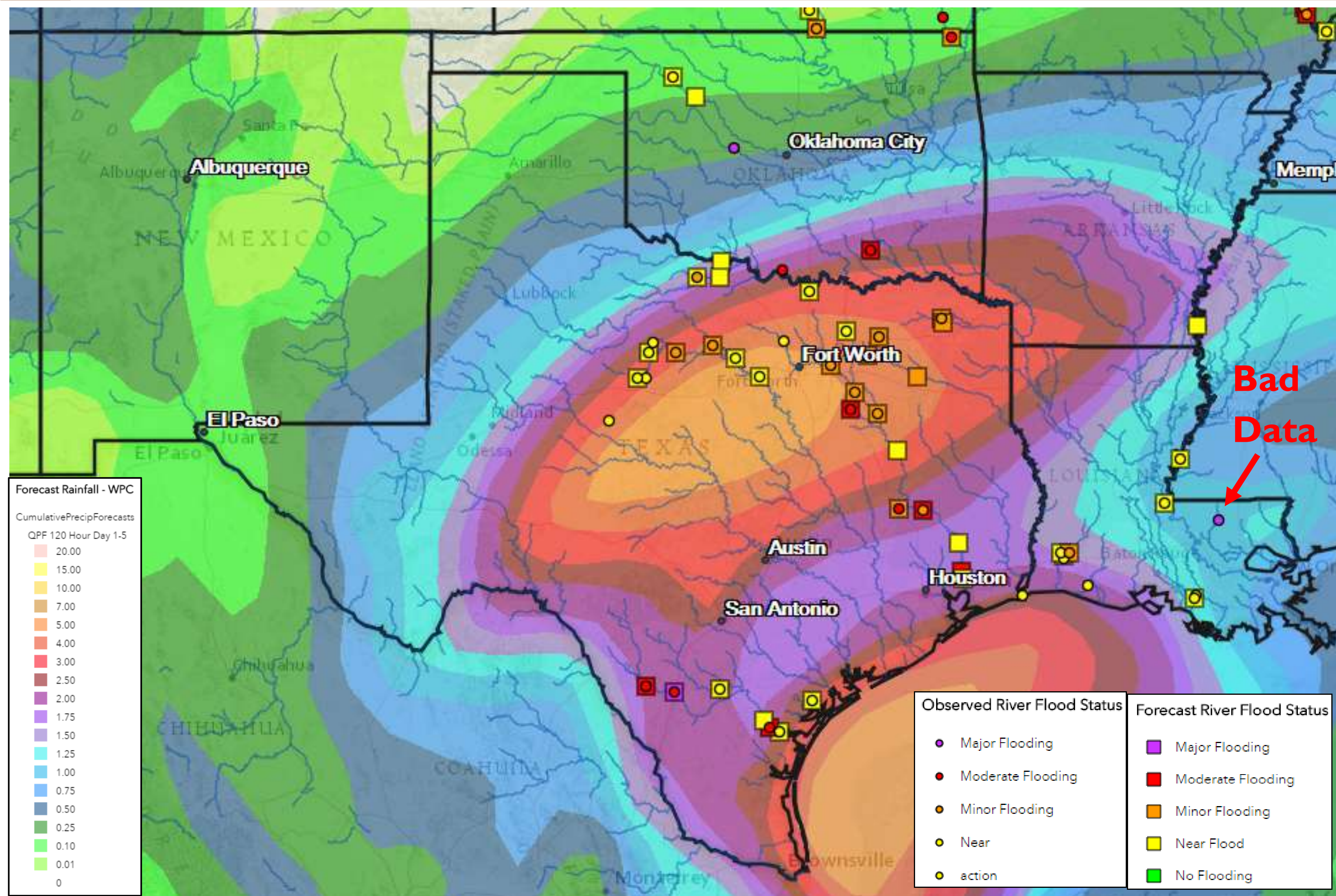


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**A few locations in OK remain in moderate flood stage. The Neosho River near Commerce in NE OK should fall below flood stage today. Clear Boggy Creek in SE OK is in Moderate Flood stage; mostly agricultural impacts expected.**

**The Nueces River in STX is in Moderate flood stage. Near Asherton, water should continue to slowly recede in the coming days. Near Cotulla, the river is expected to rise into Major flood stage today and crest on Tuesday; evacuation of livestock and a few residential properties along the river will be required. Many roads are also flooded.**

**Additional rainfall over the next several days could slow improvements along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout SE OK, TX and SW AR due to already saturated soils.**

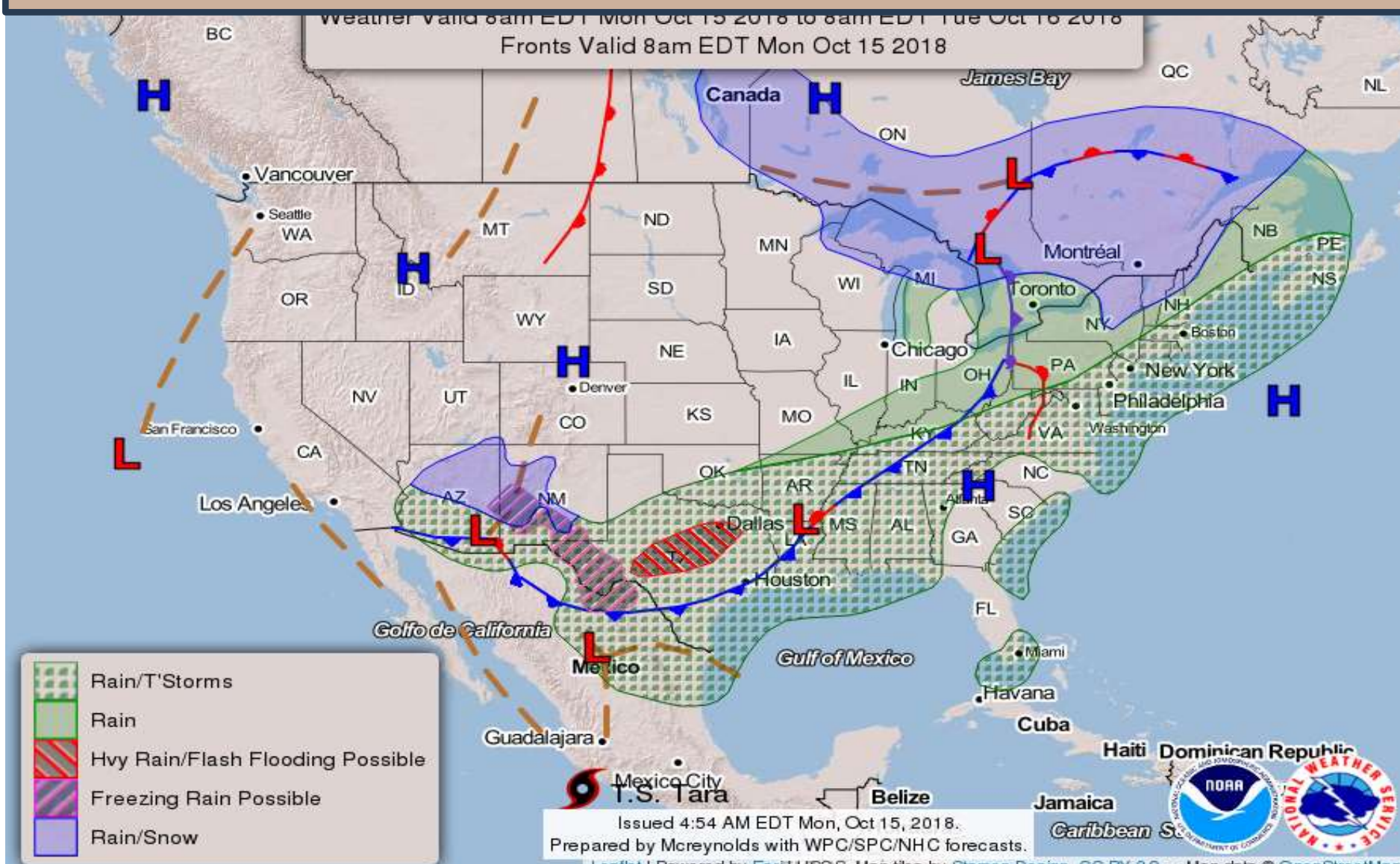


# Today's Weather

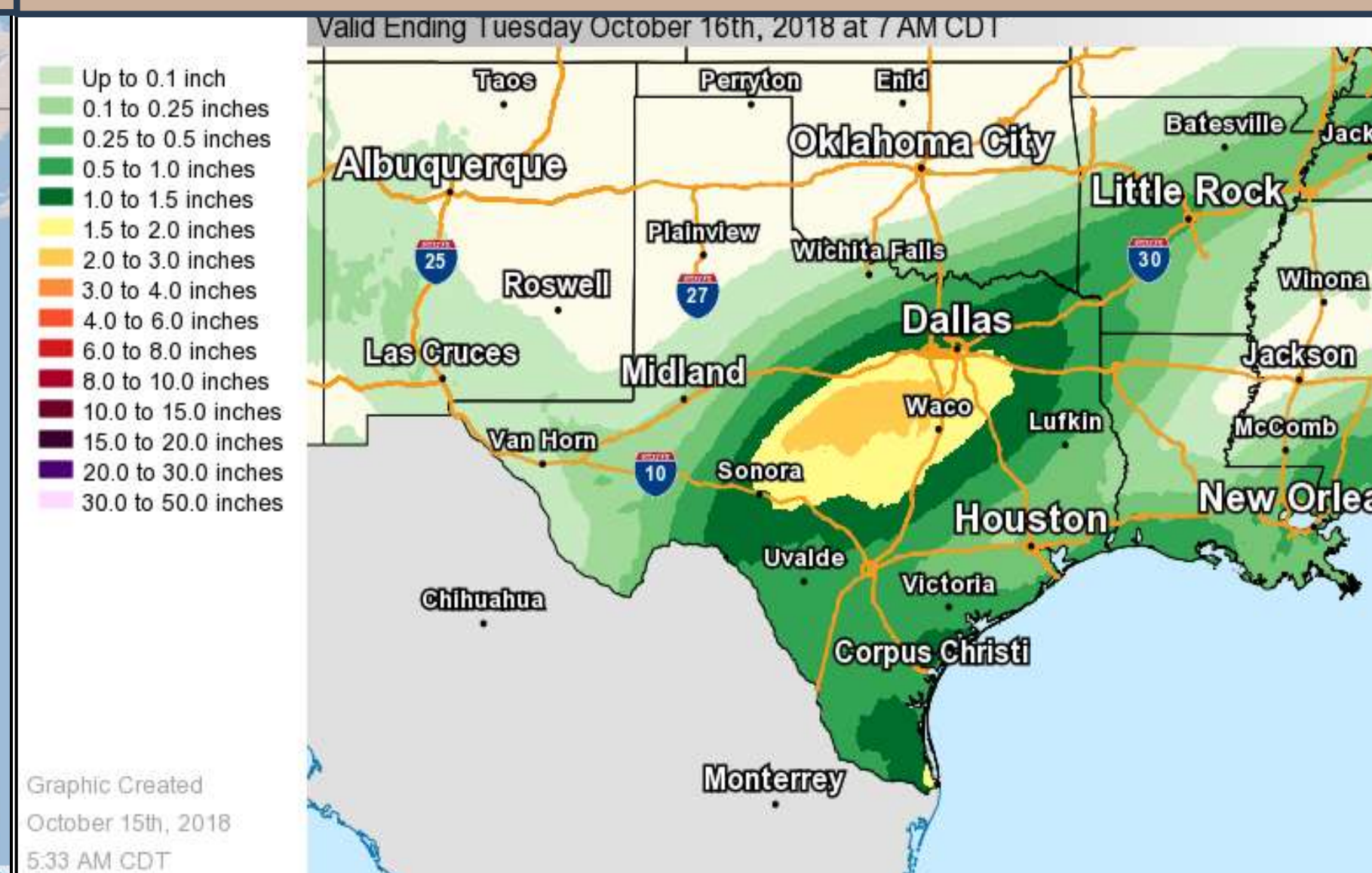


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## Forecast Chart



## Forecast Rainfall

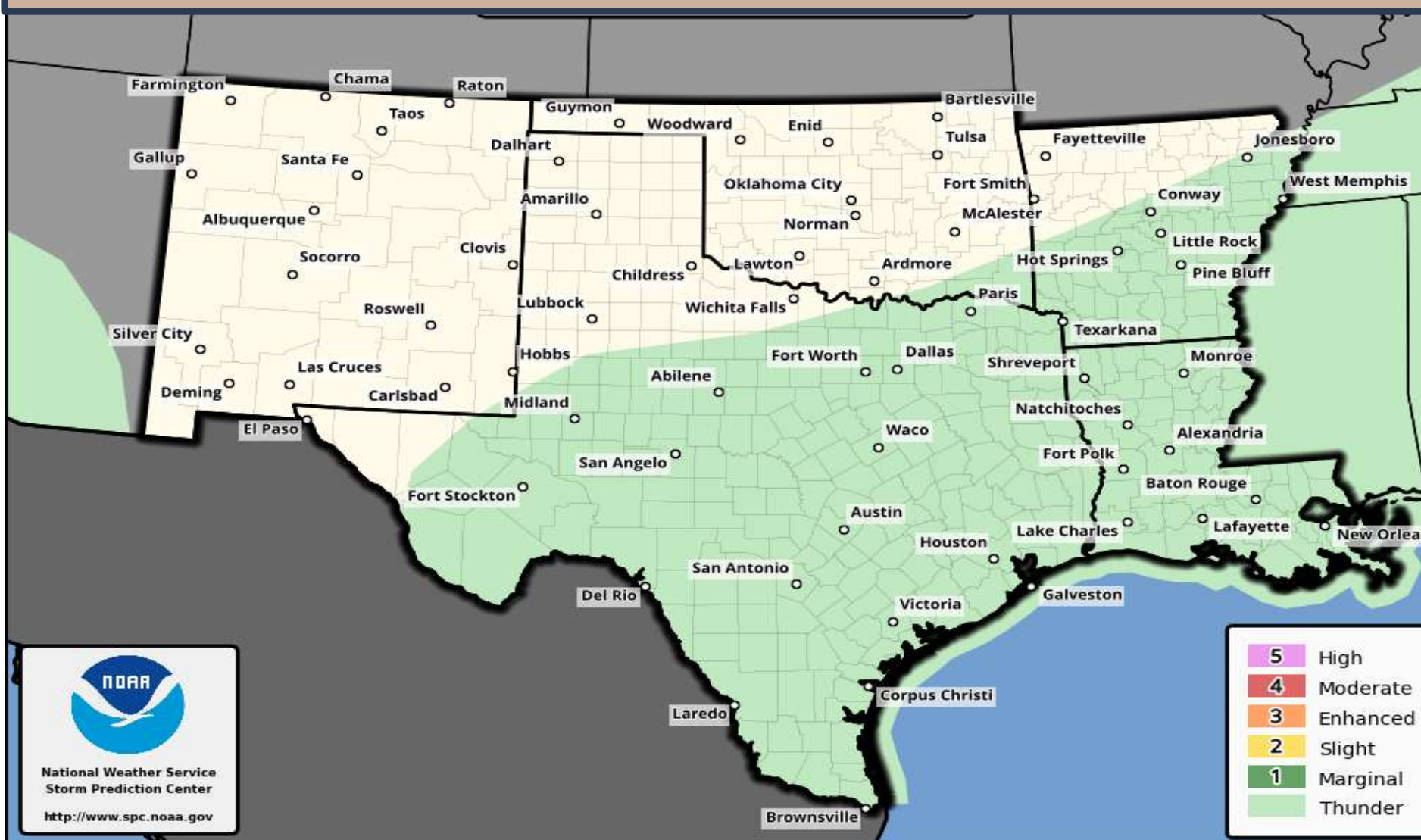


**Winter Storm Warnings** remain in effect for northern and northeastern portions of New Mexico; an early season winter storm has led to significant travel impacts this morning.

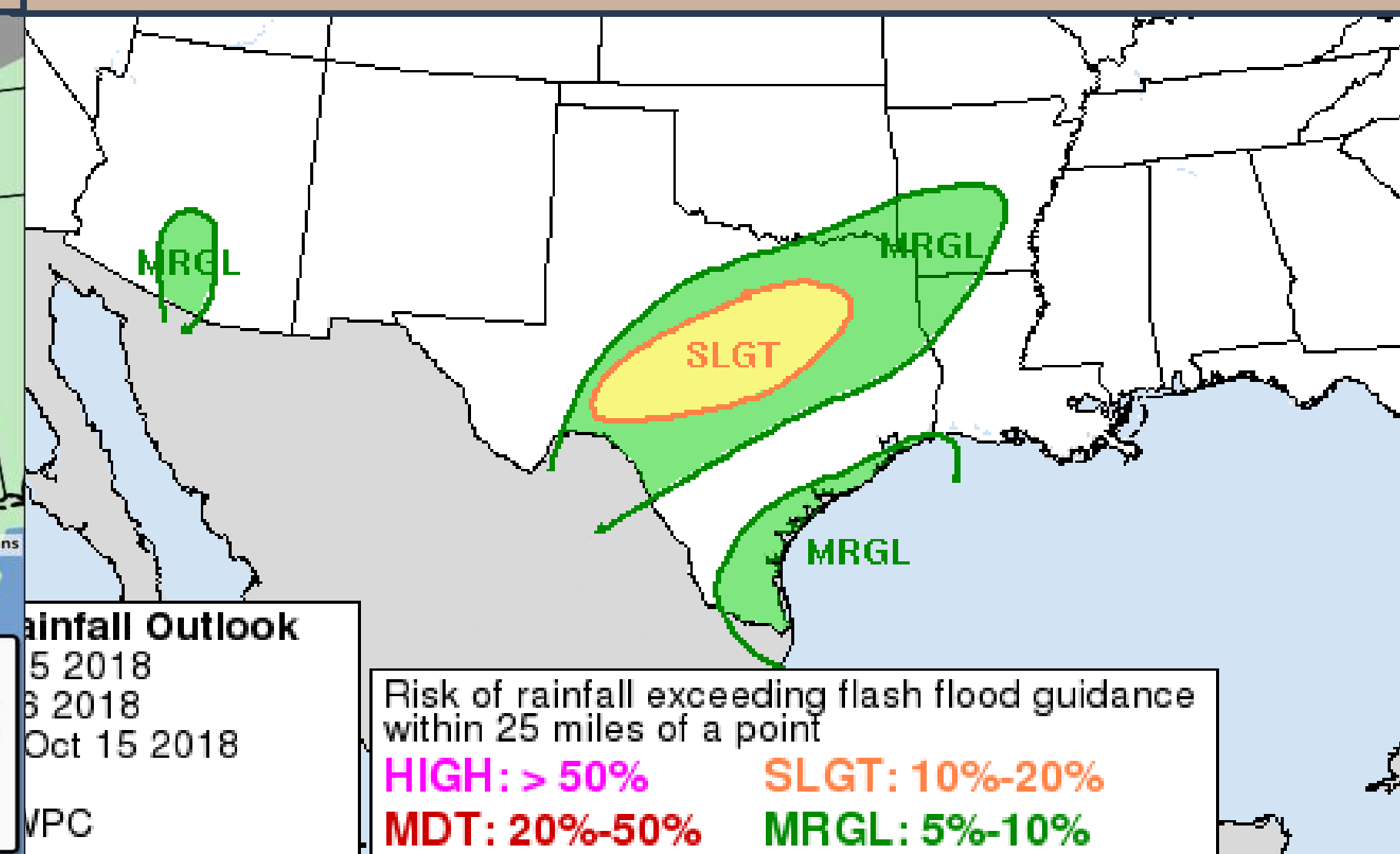
**Winter Weather Advisories** extend into N-Central and E-Central NM as well as the OK and TX Panhandles. Light accumulations of snow and ice are possible through midday today.

**Heavy rain / flash flooding** is possible from N-Central through Central and SW TX today and tonight.

## Severe Weather Outlook



## Excessive Rainfall Outlook





# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

**Winter Storm Warnings** remain in effect for northern and northeastern portions of New Mexico; an early season winter storm has led to significant travel impacts this morning.

**Winter Weather Advisories** extend into N-Central and E-Central NM as well as the OK and TX Panhandles. Light accumulations of snow and ice are possible through midday today.

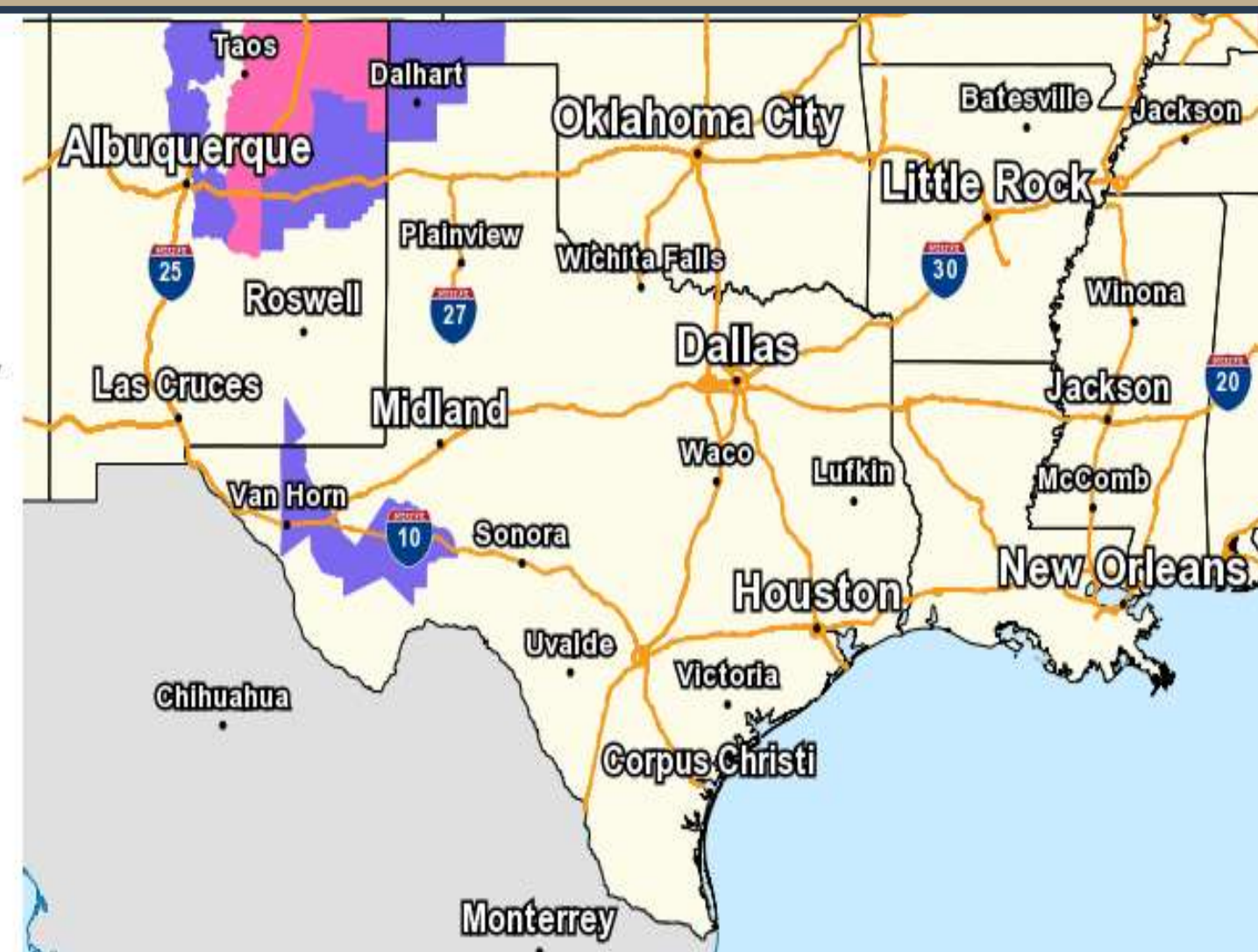
**Flash flood or flood watches** are in effect for much of N-Central through Central and SW TX through Tuesday morning.

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created



# Tomorrow's Weather

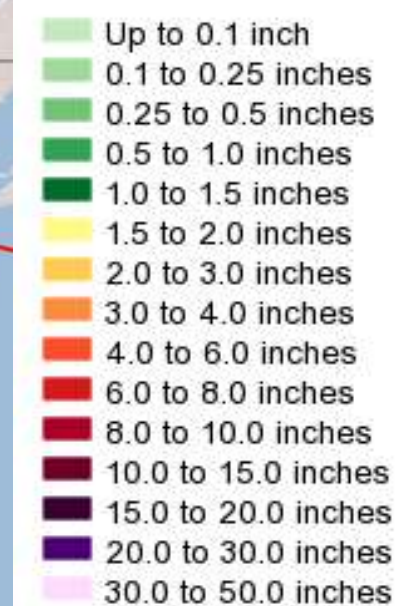
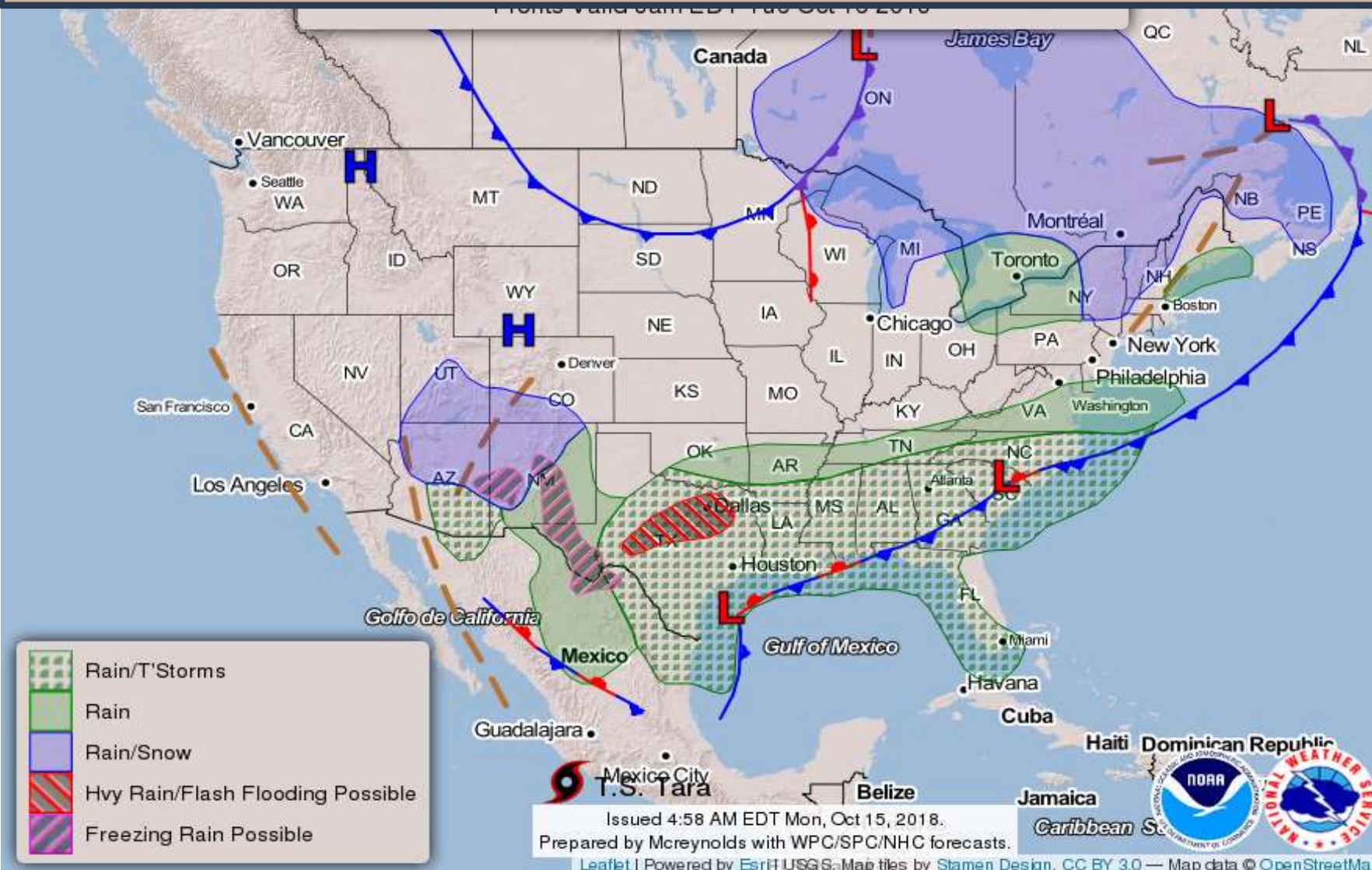


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## Forecast Chart

## Forecast Rainfall

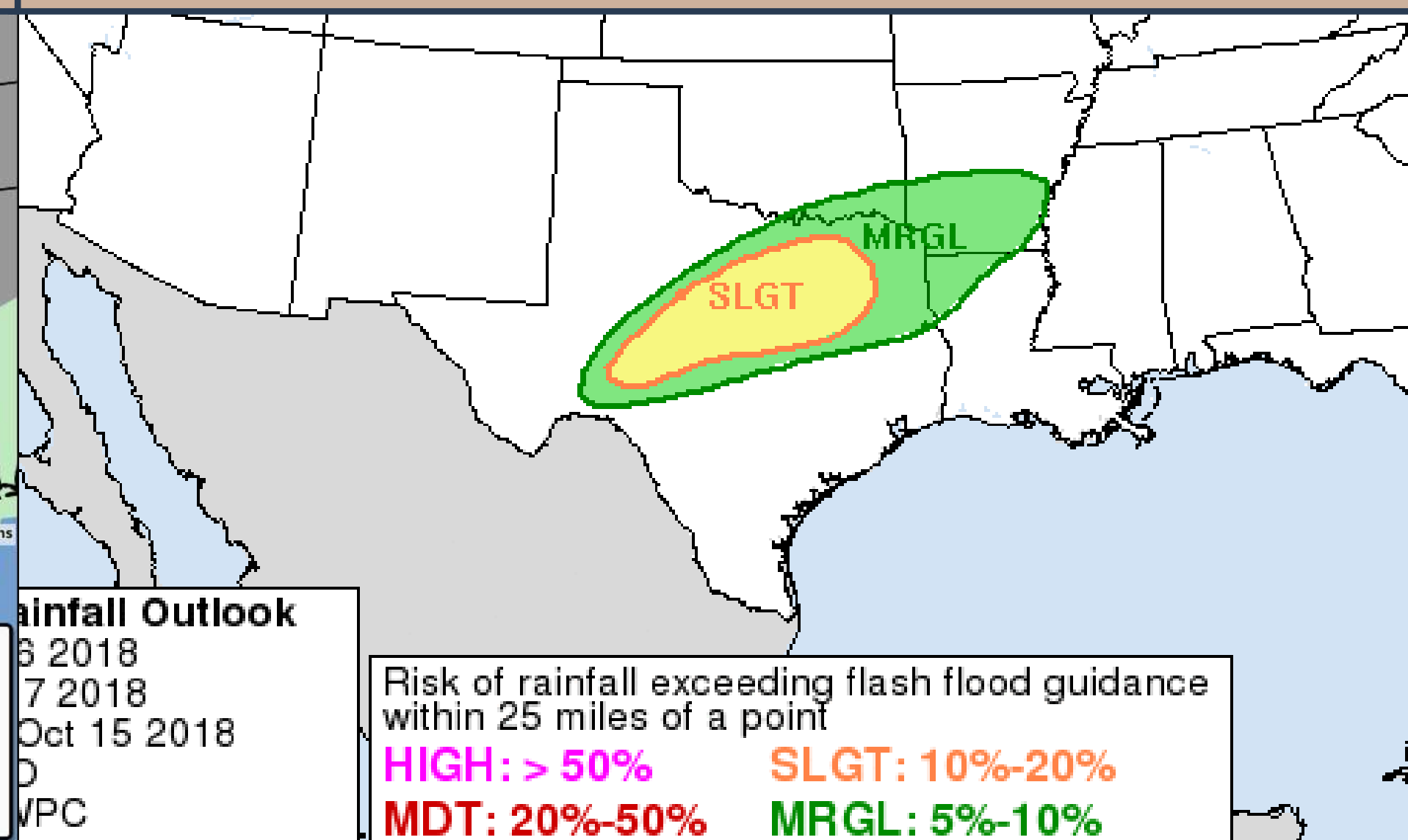
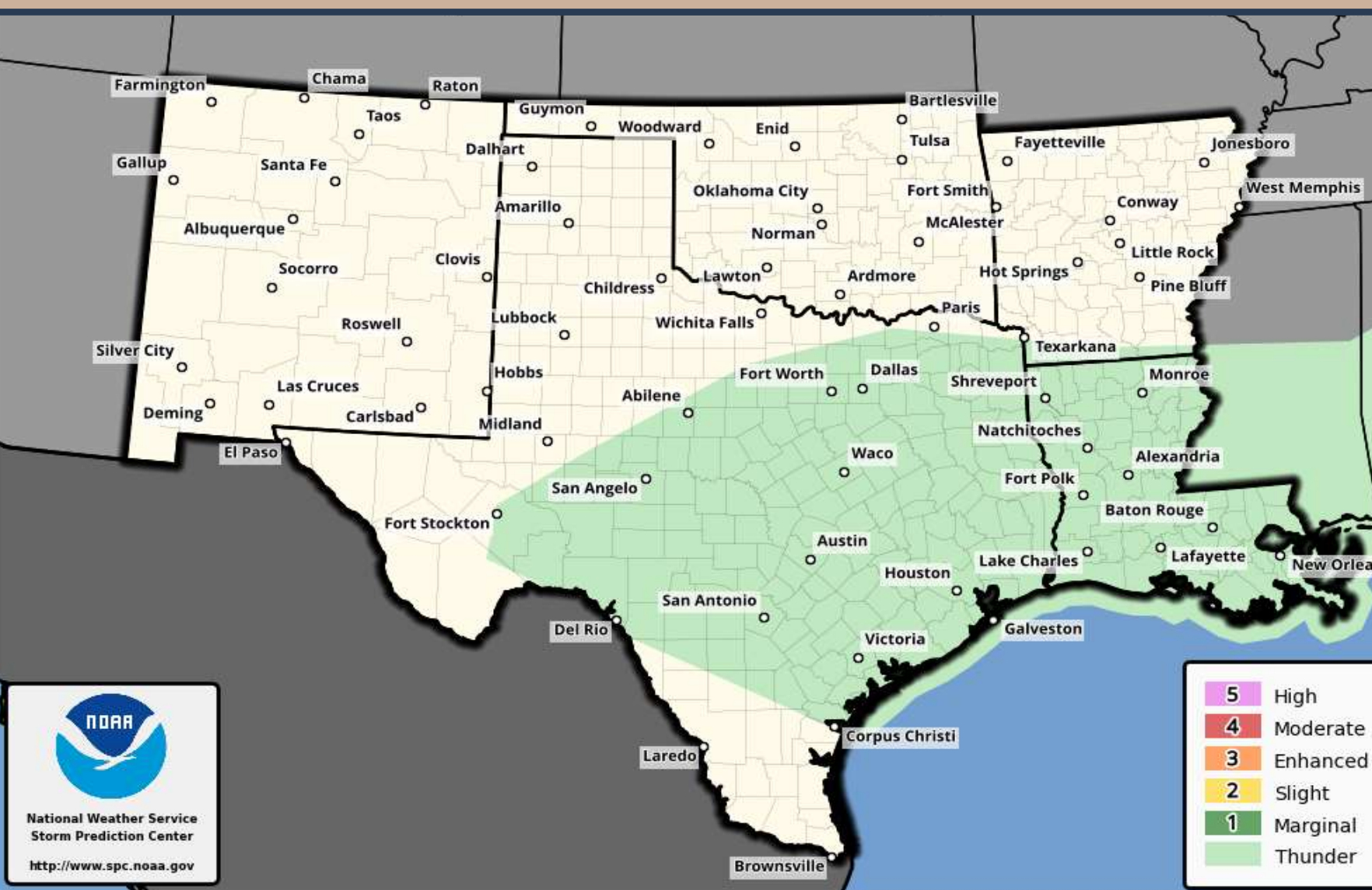
**Heavy rain / flash flooding potential continues over N-Central, and Central TX.**



Graphic Created  
October 15th, 2018  
5:34 AM CDT

## Severe Weather Outlook

## Excessive Rainfall Outlook



Rainfall Outlook  
6 2018  
7 2018  
Oct 15 2018  
D  
WPC

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

<b>HIGH: &gt; 50%</b>	<b>SLGT: 10%-20%</b>
<b>MDT: 20%-50%</b>	<b>MRGL: 5%-10%</b>



# Wednesday's Weather

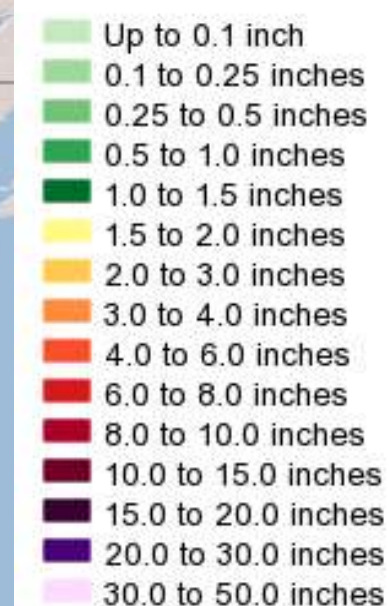
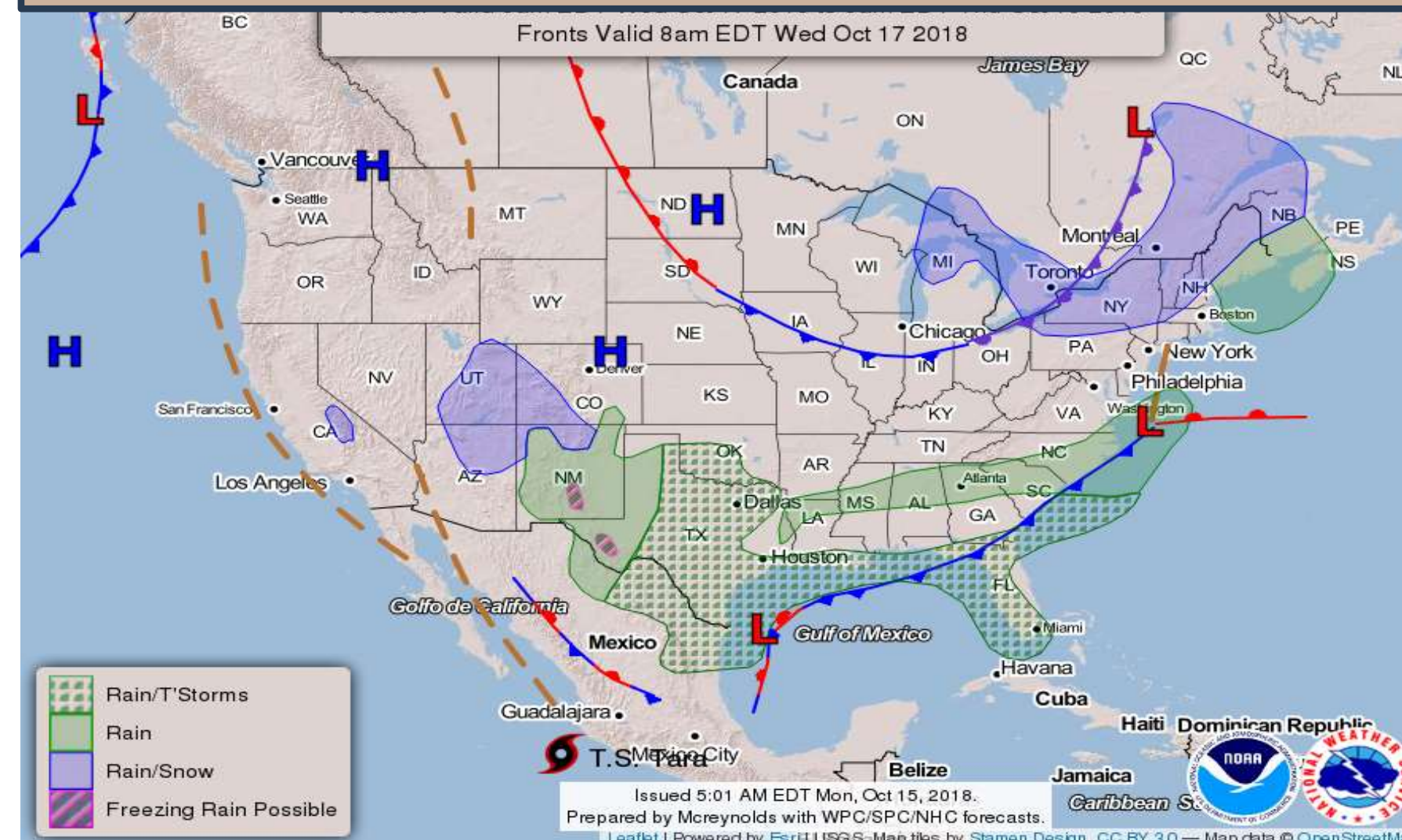


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## Forecast Chart

## Forecast Rainfall

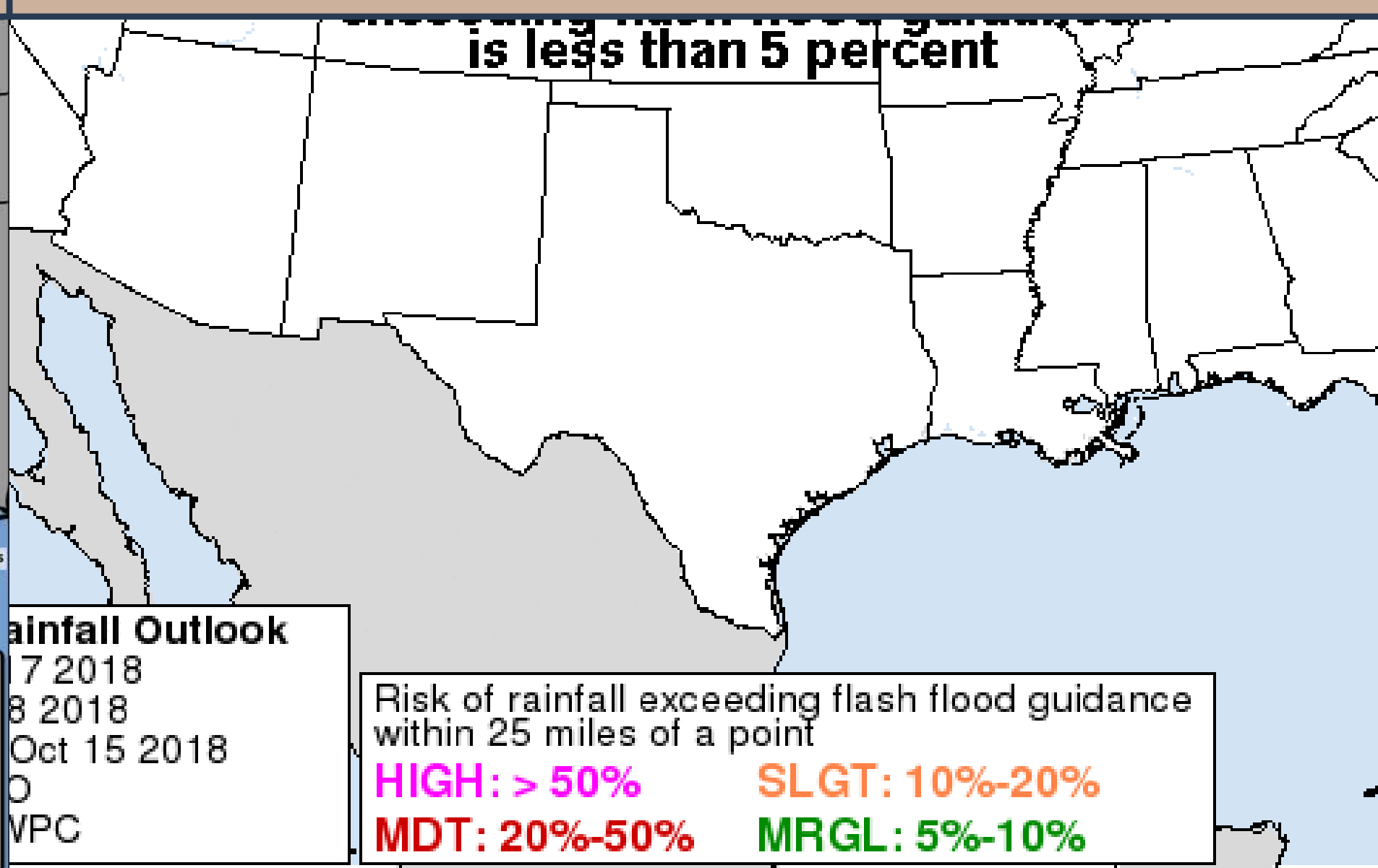
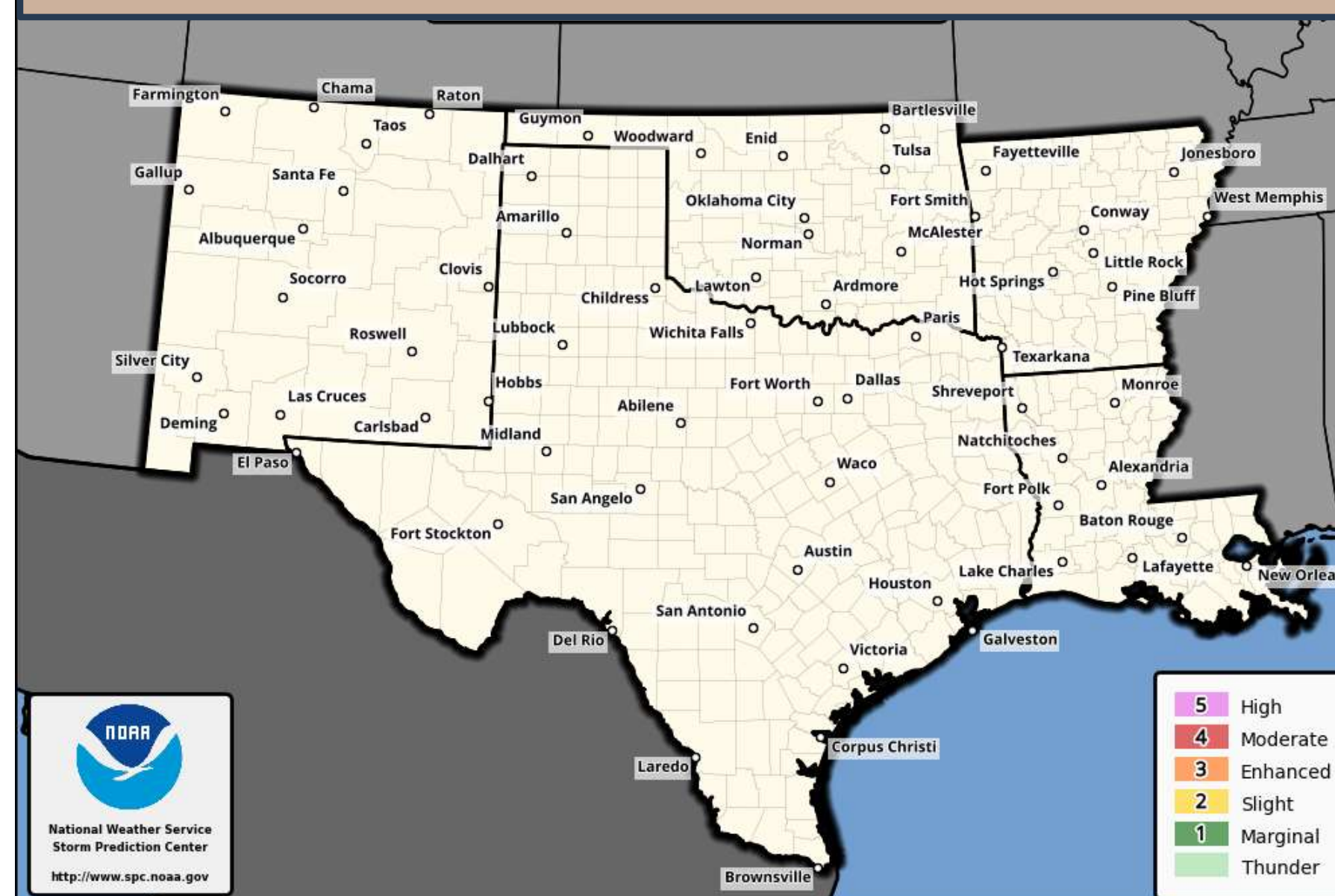
No significant weather  
expected.



Graphic Created  
October 15th, 2018

## Severe Weather Outlook

## Excessive Rainfall Outlook



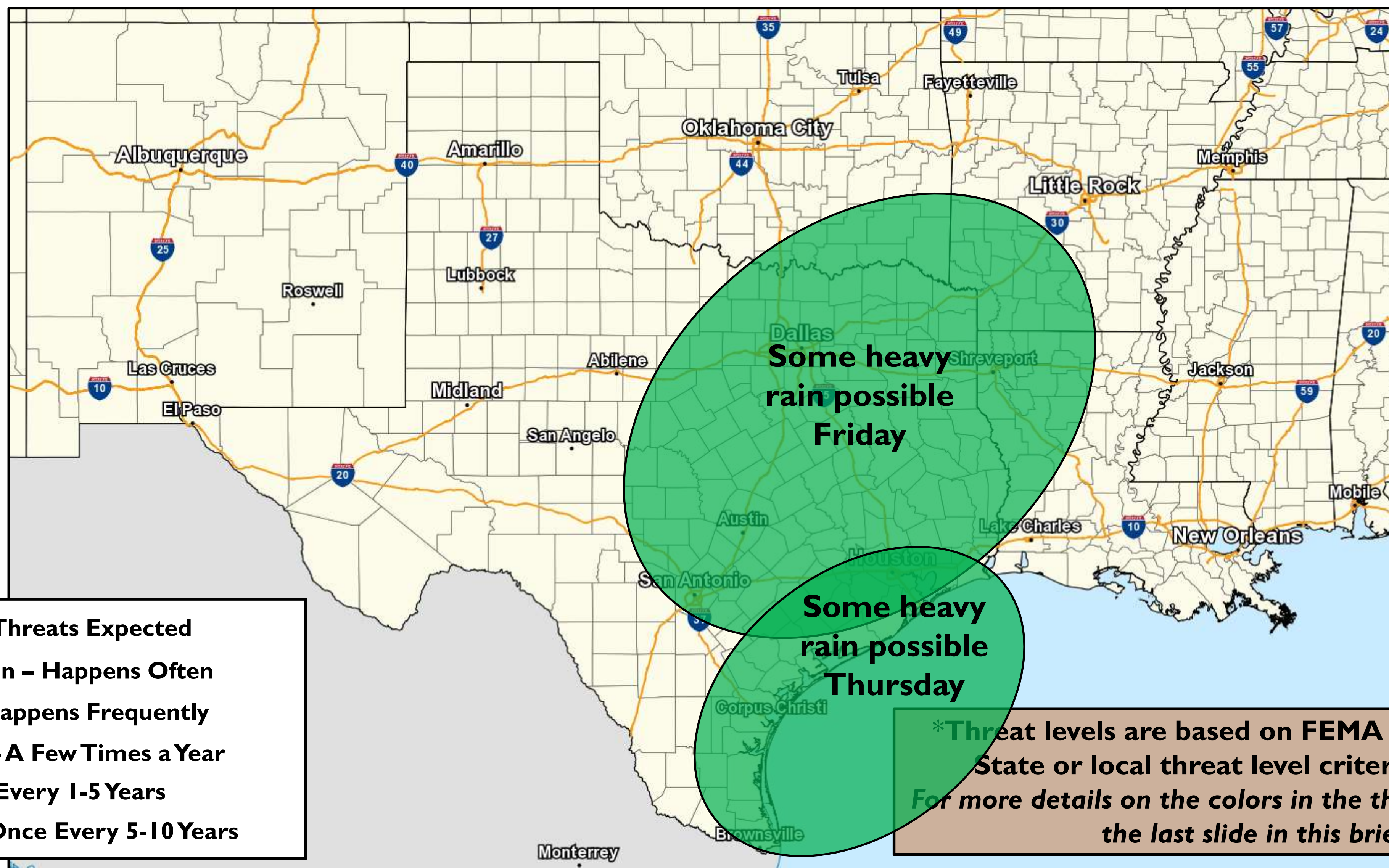


# Days 4-5 Weather Hazards

Thursday - Friday



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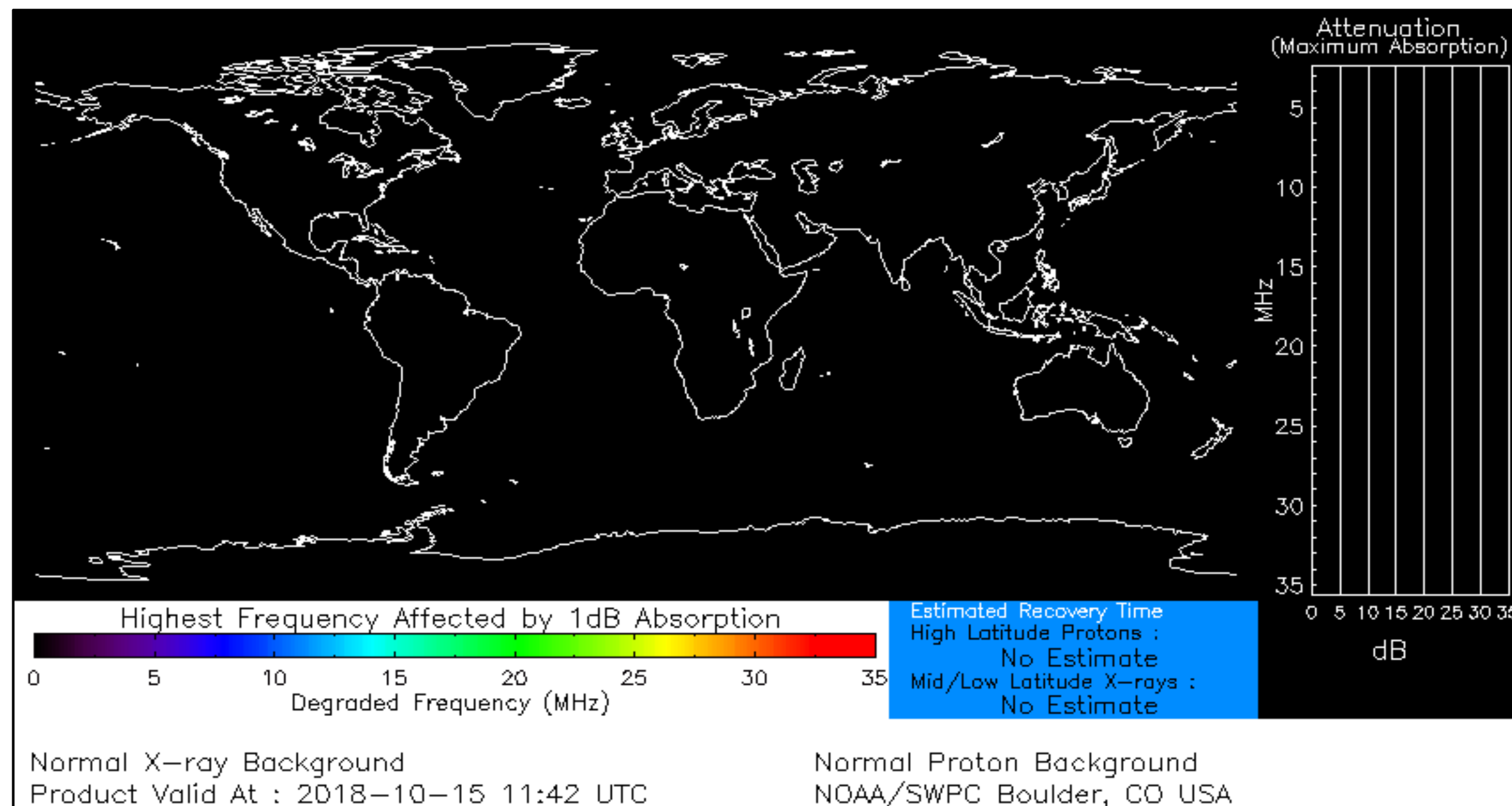


# Space Weather 3-Day Forecast



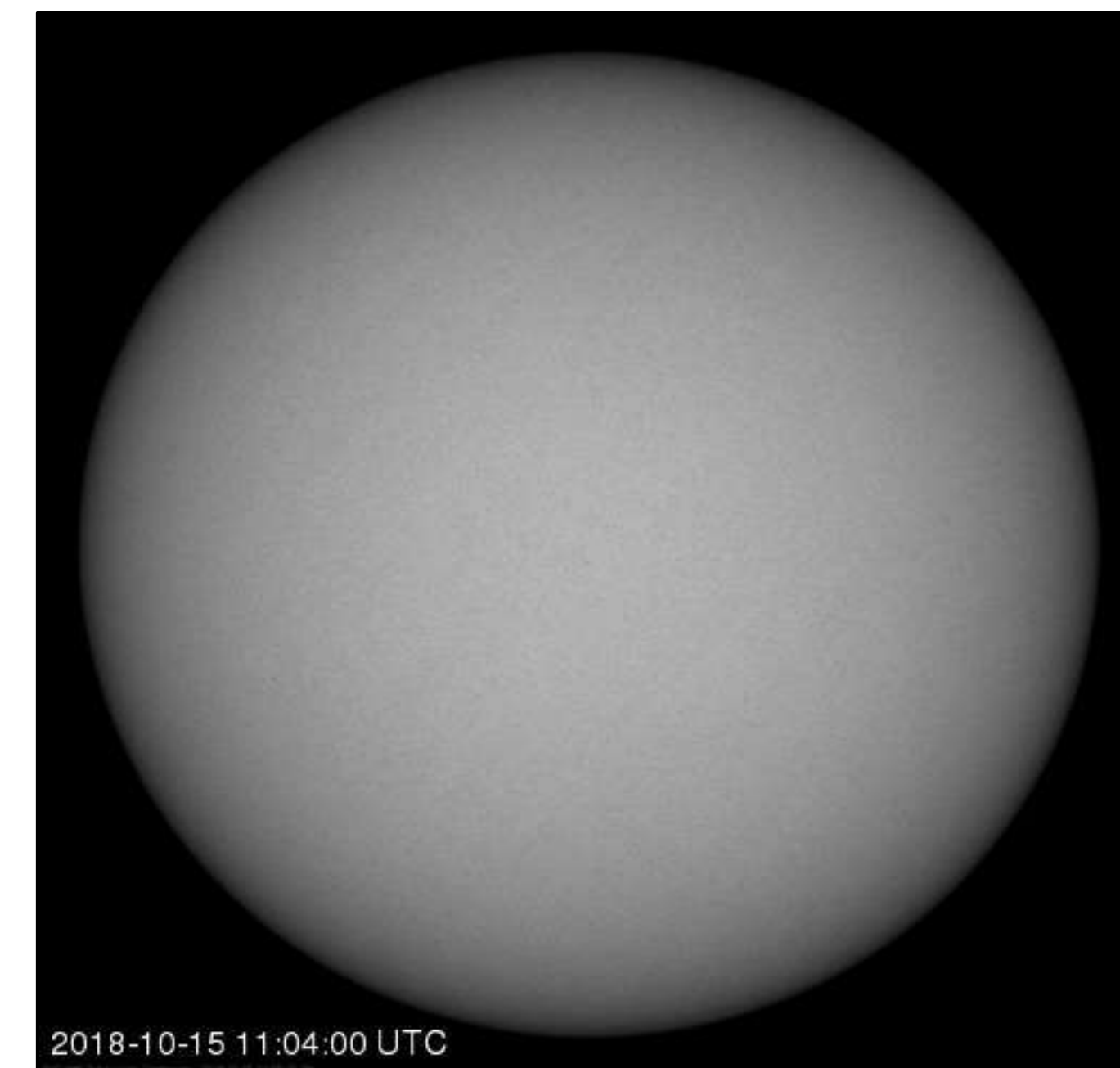
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	Monday	Tuesday	Wednesday
<b>Geomagnetic Storms</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>	<b>Quiet (Max Kp = 2)</b>
<b>Solar Radiation Storm (S1-S5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R1-R2)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>
<b>Radio Blackout (R3-R5)</b>	<b>1%</b>	<b>1%</b>	<b>1%</b>



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**